

DT15 Rec'd PCT/PTO 15 MAR 2005

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Serge GIDON

Application No.: New U.S. National Stage of
PCT/FR03/002879

Filed: March 15, 2005

Docket No.: 123124

For: DATA RECORDING DEVICE COMPRISING A DIAPHRAGM-TYPE SUPPORT

INFORMATION DISCLOSURE STATEMENTCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

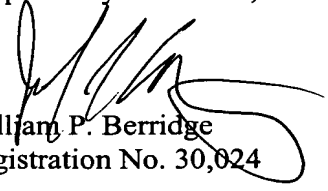
Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of references 10-14 is discussed in the present specification.
- ☒ 3. The references 1-9 were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☒ 4. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.

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- ☒ 5. A concise explanation of the relevance of the non-English language references 7 and 9-14 appears in the Appendix attached hereto.

Respectfully submitted,


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Appendix

DE1449904 describes a magnetic recording device with a rotating memory support comprising a film (4, 5, 15) stretched on grooves (3, 12-14). Magnetic write or read heads (7, 16, 17, 18) are in contact with the film at the level of the grooves.

FR 1519660 describes also relates to a rotating magnetic recording device. It comprises a thin disc (7) on a massive support (8, 9).

Other documents

The following articles cited and analysed in the application are enclosed herewith :

- "The Millipede - More than one thousand tips for future AFM data storage", P. Vettiger et al., IBM J. RES. Develop., Vol.44, n°3, May 2000, p.323-340
- "Fabrication of microprobe array with sub-100nm nano-heater for nanometric thermal imaging and data storage", Dong-Weon Lee et al., Technical Digest, MEMS 2001, 14th IEEE International Conference on Micro Electro Mechanical Systems (Cat. N°01CH37090), IEEE, Piscataway, NJ, USA, 2001, p.204-207
- "Procédés de fabrication de micropointes en silicium", D. Moreau et al., Le Vide, n° 282, Oct-Dec 96, p.463-477, ISSN 1266-0167
- "Novel probes for scanning probe microscopy", E. Oestershulze, Applied Physics A 66, 1998, S3-S9.
- "Fabrication of monolithic probes for scanning probe microscopy applications", C. Mihalcea et al., Applied Physics A 66, 1998, S87-S90.

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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 123124		APPLICATION NO. New U.S. National Stage of PCT/FR03/002879	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT Serge GIDON			
				FILING DATE March 15, 2005			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1	3,502,455	03/24/1970	Gardiner			
	2	5,581,537	12/03/1996	Yamano et al.			
	3	3,646,533	02/29/1972	Rosenblum			
	4	US 2002/0094435 A1	07/18/2002	Artmann et al.			
	5	5,216,631	06/01/1993	Sliwa, Jr.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
	6	WO 00/36608	06/22/2000	WIPO			
	7	DE 1 449 904	04/24/1969	Germany			
	8	WO 89/08489	09/21/1989	WIPO			
	9	FR 1 519 660 A	04/05/1968	France			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	10	Vettiger et al., "The "Millipede" - More than one thousand tips for future AFM data storage," IBM J. Res. Develop., Vol. 44, No. 3, pp. 323-340, May 2000					
	11	Lee et al., "Fabrication of microprobe array with sub-100nm nano-heater for nanometric thermal imaging and data storage," Technical Digest, MEMS 2001, 14 th IEEE International Conference on Micro Electro Mechanical Systems (Cat. N°01CH37090), IEEE, Piscataway, NJ, USA, pp. 204-207, 2001					
	12	Moreau et al., "Procedes de fabrication de micropointes en silicium," Le Vide, n° 282, Oct-Dec. 96, pp. 463-477, ISSN 1266-0167					
	13	Oesterschulze, "Novel probes for scanning probe microscopy," Applied Physics A 66, S3-S9, 1998					
	14	Mihalcea et al. "Fabrication of monolithic diamond probes for scanning probe microscopy applications," Applied Physics A 66, S87-S90, 1998					
EXAMINER				DATE CONSIDERED			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: March 15, 2005